

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2000-019338**

(43)Date of publication of application : **21.01.2000**

(51)Int.Cl.

G02B 6/255

(21)Application number : **10-204284**

(71)Applicant : **FURUKAWA ELECTRIC  
CO LTD:THE**

(22)Date of filing : **03.07.1998**

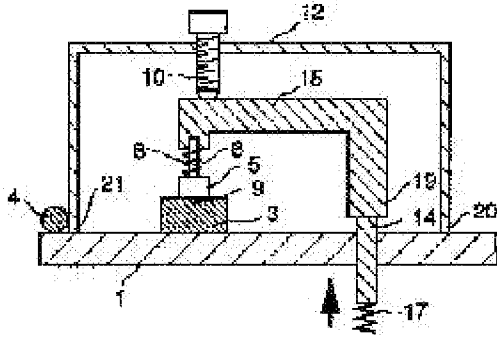
(72)Inventor : **WATANABE HIDEKI**

## (54) OPTICAL FIBER CLAMP MECHANISM

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an optical fiber clamp mechanism capable of maintaining the retaining pressure of an optical fiber by a clamp at optimum retaining force.

**SOLUTION:** This clamp mechanism is provided with an optical fiber arranging implement 3 formed with a V-groove 9 on its surface, a clamp member 5 for retaining a coated optical fiber arrayed in the V-groove 9, a clamp arm 15 for executing the moving action in a clamp closing direction to bring the clamp member 5 closer to the optical fiber arranging implement 3 side and the moving action in a clamp opening direction to part the clamp member 5 from the optical fiber arranging implement and a windproof cover 12 for covering these members. The windproof cover 12 is provided with a retaining pressure regulating screw 10 for retaining the clamp arm 15 in the closing state of the wind proof cover 12,



in the clamp closing direction freely movably forward and backward to and from the clamp arm 15 side. The retaining pressure regulating screw 10 is formed as a variable optical fiber retaining force operation means for varying the optical fiber retaining force of the clamping member 5 by the forward and backward movement to and from the clamp arm 15 side.